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 G. Matarrese, C. Marzocca, F. Corsi, S. D'Amico, A. Baschirotto
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We report here the results of some laboratory experiments performed to the self tuning of integrated continuous-time, high-speed active filters. ' application of a pseudo-random ...

- 2 [TETRA radio performance evaluated via the software package TETRA](#)
 Armando Annunziato, Davide Sorbara
 March 2000 **Mobile Networks and Applications** , Volume 5 Issue 1
Publisher: Kluwer Academic Publishers
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TETRA (Terrestrial Trunked RAdio) is a digital mobile radio standard for satisfying the growing request of applications and facilities coming from The system has been ...

- 3 [A gentle introduction to bilateral filtering and its applications](#)
 Sylvain Paris
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Publisher: ACM ☒ Request Permissions
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- Image-based modeling and photo editing *Oh et al.* ACM SIGGRAPH co Machinery, Inc. Reprinted by permission. <http://doi.acm.org/10.1145/3> display of high-dynamic-range ...

- 4 [Logarithmic perspective shadow maps](#)
 D. Brandon Lloyd, Naga K. Govindaraju, Cory Quammen, Steven E. Molnar
 October 2008 **Transactions on Graphics (TOG)** , Volume 27 Issue 4
Publisher: ACM ☒ Request Permissions
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We present a novel shadow map parameterization to reduce perspective light sources. We derive the aliasing error equations for both types of light sources. We also derive the aliasing error equations for both types of light sources. We also derive the aliasing error equations for both types of light sources.

5 Efficient architectural design space exploration via predictive modelling
Engin Ipek, Sally A. McKee, Karan Singh, Rich Caruana, Bronis R. de Supin
January 2008 Transactions on Architecture and Code Optimization (TACO)

Additional Information: full citation, abs

Efficiently exploring exponential-size architectural design spaces with many design variables is a difficult problem: the sheer number of experiments required renders detailed simulation-based optimization infeasible. We propose an automated approach that ...

6 [Fast and flexible application-level networking on exokernel systems](#)
Gregory R. Ganger, Dawson R. Engler, M. Frans Kaashoek, Hector M. Brice
February 2002 [Transactions on Computer Systems \(TOCS\)](#) , Volume 20 is

Additional Information: full citation, abs

Application-level networking is a promising software organization for important network services. The Xok/ExOS exokernel system includes a services, while at ...

Sylvain Paris, Pierre Kornprobst, Jack Tumblin, Frédo Durand
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The bilateral filter is a non-linear technique that can blur an image while decompose an image into different scales without causing haloes after reconstruction. Computational photography ...

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ja

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The graphics processor (GPU) on today's commodity video cards has evolved into a general purpose processor. The latest graphics architectures provide tremendous memory bandwidth and support for fully programmable vertex and fragment processors.

9 Automatically patching errors in deployed software

 Jeff H. Perkins, Sunghun Kim, Sam Larsen, Saman Amarasinghe, Jonathan Frank Sherwood, Stelios Sidiropoulos, Greg Sullivan, Weng-Fai Wong, Yoav Zigelboim
October 2009 **SOSP '09**: Proceedings of the ACM SIGOPS 22nd symposium

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We present ClearView, a system for automatically patching errors in deployed Windows x86 binaries without any need for source code, debugging information, or without human intervention. ...

Keywords: self healing

10 Debugging in the (very) large: ten years of implementation and experience

 Kirk Glerum, Kinshuman Kinshumann, Steve Greenberg, Gabriel Aul, Vince Lohle, Galen Hunt
October 2009 **SOSP '09**: Proceedings of the ACM SIGOPS 22nd symposium

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Windows Error Reporting (WER) is a distributed system that automates the collection and analysis of error data from a base of a billion machines. WER has collected billions of error reports and error data automatically ...

Keywords: blue screen of death, bucketing, classifying, error reports, logging

11 Performance OpenGL: platform independent techniques

 Bob Kuehne, Tom Tru, Alan Combs, Dave Shreiner
July 2005 **SIGGRAPH '05**: SIGGRAPH 2005 Courses


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
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12 Collision detection and proximity queries

 Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Chris van Dam
August 2004 **SIGGRAPH '04**: SIGGRAPH 2004 Course Notes

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Full text available:  Pdf (11.22 MB)

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This course will primarily cover widely accepted and proved methodology advanced or recent topics such as continuous collision detection, ADFs, introduced. When appropriate ...

13 STAR: self-tuning aggregation for scalable monitoring

Navendu Jain, Dmitry Kit, Prince Mahajan, Praveen Yalagandula, Mike Dahl
September 2007 **VLDB '07: Proceedings of the 33rd international conference**
Publisher: VLDB Endowment


Full text available:  Pdf (520.35 KB)



Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 58, Downloada

We present **STAR**, a self-tuning algorithm that adaptively sets numeric efficiently answer continuous aggregate queries over distributed data st essential for both robustness ...

14 Exploiting perception in high-fidelity virtual environments


 **Additional presentations from the 24th course are available on t**
Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Qadaiy, Die
July 2006 **SIGGRAPH '06: SIGGRAPH 2006 Courses**

Publisher: ACM Full text available:  Mov (68.6 MIN),  Pdf (5.07 MB) Additional Information: full citation
cited by, ir**Bibliometrics:** Downloads (6 Weeks): 164, Downloads (12 Months): 1391, Dov

The objective of this course is to provide an introduction to the issues th fidelity 3D engaging shared virtual environments. The principles of hum algorithms and techniques ...

Keywords: collaborative environments, haptics, high-fidelity rendering networked applications, perception, virtual reality

15 Improved error reporting for software that uses black-box componen

 Jungwoo Ha, Christopher J. Rossbach, Jason V. Davis, Indrajit Roy, Hany E
Emmett Witchel

June 2007 **PLDI '07: Proceedings of the 2007 ACM SIGPLAN conference**
implementation


Publisher: ACM Full text available:  Pdf (345.48 KB) Additional Information: full citation, abs**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 102, Downlo

An error occurs when software cannot complete a requested action as a configuration, or environment. A high-quality error report allows a user Unfortunately, the quality of ...




Keywords: classification, error report, machine learning, profiling, soft

Also published in:

June 2007 **SIGPLAN Notices** Volume 42 Issue 6




- 16** [Fast detection of communication patterns in distributed executions](#)
 Thomas Kunz, Michiel F. H. Seuren
 November 1997 **CASCON '97: Proceedings of the 1997 conference of the C research**
Publisher: IBM Press
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Understanding distributed applications is a tedious and difficult task. Vis are often used to obtain a better understanding of the execution of the Poet, an event ...

- 17** [An energy-aware framework for dynamic software management in m](#)
 Yunsi Fei, Lin Zhong, Niraj K. Jha
 April 2008 **Transactions on Embedded Computing Systems (TECS)**
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Energy efficiency has become a very important and challenging issue fo this article, we propose a novel dynamic software management (DSOM) have designed and implemented ...

Keywords: Software adaptation, energy macromodel, runtime coordin

- 18** [Client-server computing in mobile environments](#)
 Jin Jing, Abdelisalam Sumi Helat, Ahmed Elmagarmid
 June 1999 **Computing Surveys (CSUR)** , Volume 31 Issue 2
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Recent advances in wireless data networking and portable information e computing, called mobile computing, in which users carrying portable di services ...

Keywords: application adaptation, cache invalidation, caching, client/s operation, mobile applications, mobile client/server, mobile compuing, r system application

- 19** [NWSLite: A general-purpose, nonparametric prediction utility for emt](#)
 Selim Gurun, Chandra Krintz, Rich Wolski
 April 2008 **Transactions on Embedded Computing Systems (TECS)**
Publisher: ACM  [Request Permissions](#)
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Time series-based prediction methods have a wide range of uses in emt applications require accurate prediction of demand and supply of resour is not easy, since the dynamics ...


Keywords: CPU availability estimation, Computation offloading, embed prediction algorithms

20 The effect of registration error on tracking distant augmented objects

Mark A. Livingston, Zhuming Ai

September 2008 **ISMAR '08: Proceedings of the 7th IEEE/ACM International**

Publisher: IEEE Computer Society

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Additional Information: [full citation, abstract](#)

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We conducted a user study of the effect of registration error on perform reality. Categorizing error by types that are often used as specifications ability of users ...

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